

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P384008

Luminaire Tested: **24ID-35-L840-CFR2**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P384008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24ID-35-L840-CFR2  
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -  
Ballast/Driver: -

**Summary**

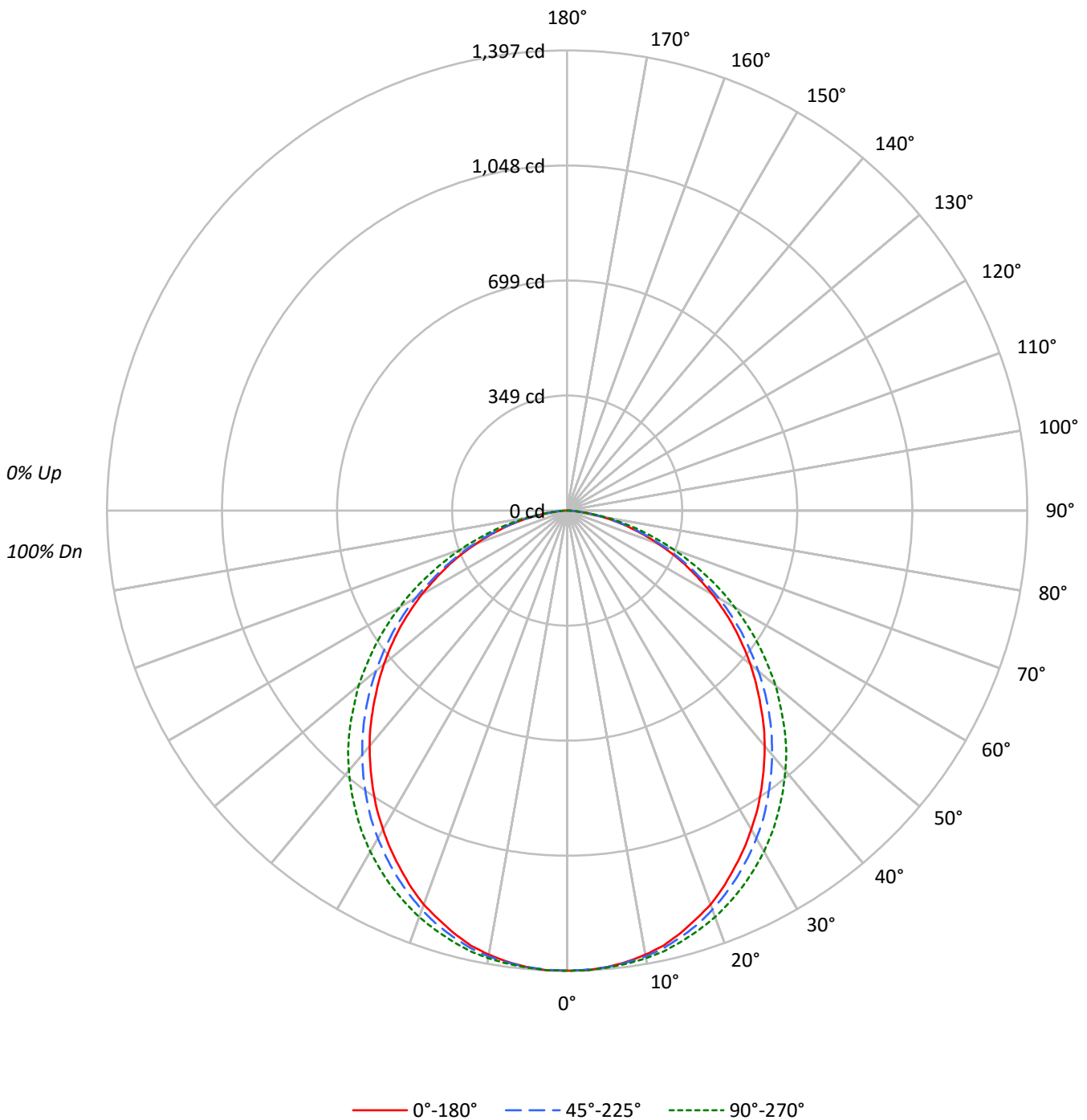
Lumens per Lamp: N/A  
Luminaire Lumens: 3687.0 lumens  
Efficiency: N/A  
Efficacy: 122.1 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1879	1879	1879
5°	1879	1879	1881
10°	1870	1878	1886
15°	1850	1866	1884
20°	1823	1846	1881
25°	1780	1818	1871
30°	1737	1785	1857
35°	1690	1745	1836
40°	1639	1700	1811
45°	1578	1649	1775
50°	1520	1586	1729
55°	1452	1517	1664
60°	1372	1432	1581
65°	1276	1317	1476
70°	1155	1199	1352
75°	1009	1047	1181
80°	816	831	931
85°	485	542	457



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.2	3.6
10°-20°	377.9	10.2
20°-30°	565.3	15.3
30°-40°	667.9	18.1
40°-50°	673.9	18.3
50°-60°	585.3	15.9
60°-70°	419.7	11.4
70°-80°	218.6	5.9
80°-90°	46.1	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1075.4	29.2
0°-40°	1743.3	47.3
0°-60°	3002.5	81.4
0°-90°	3687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3687.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1391	1389	1391	1391	1393	132
15°	1328	1330	1339	1349	1352	374
25°	1199	1206	1225	1249	1260	552
35°	1029	1036	1062	1101	1118	643
45°	830	839	866	911	933	641
55°	619	624	647	689	709	553
65°	401	399	414	445	464	396
75°	194	192	201	216	227	207
85°	31	35	35	31	30	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1396.7	1396.7	1396.7	1396.7	1396.7
2.5°	1396.7	1394.8	1394.8	1394.8	1396.7
5°	1391.1	1389.3	1391.1	1391.1	1393.0
7.5°	1381.9	1380.1	1383.8	1385.6	1387.4
10°	1369.0	1369.0	1374.5	1378.2	1380.1
12.5°	1352.3	1352.3	1359.7	1365.3	1369.0
15°	1328.3	1330.2	1339.4	1348.7	1352.3
17.5°	1300.6	1306.2	1317.2	1330.2	1333.9
20°	1272.9	1276.6	1289.5	1306.2	1313.5
22.5°	1237.8	1243.3	1258.1	1280.3	1287.7
25°	1199.0	1206.4	1224.9	1248.9	1260.0
27.5°	1160.2	1165.8	1187.9	1215.6	1228.6
30°	1117.7	1125.1	1149.1	1180.5	1195.3
32.5°	1075.2	1080.8	1108.5	1141.7	1158.4
35°	1029.0	1036.4	1062.3	1101.1	1117.7
37.5°	981.0	990.2	1016.1	1056.8	1075.2
40°	933.0	938.5	968.1	1008.7	1030.9
42.5°	883.1	890.5	918.2	962.5	984.7
45°	829.5	838.7	866.5	910.8	933.0
47.5°	777.8	787.0	812.9	857.2	877.5
50°	726.1	731.6	757.5	801.8	825.8
52.5°	672.5	678.0	702.0	744.5	766.7
55°	618.9	624.4	646.6	689.1	709.4
57.5°	563.5	567.2	589.3	628.1	648.5
60°	509.9	511.7	532.1	567.2	587.5
62.5°	452.6	454.5	469.3	509.9	528.4
65°	400.9	399.1	413.8	445.2	463.7
67.5°	347.3	347.3	360.3	388.0	402.7
70°	293.7	293.7	304.8	328.8	343.6
72.5°	243.9	243.9	253.1	271.6	282.7
75°	194.0	192.1	201.4	216.2	227.2
77.5°	147.8	147.8	151.5	164.4	171.8
80°	105.3	105.3	107.2	114.5	120.1
82.5°	66.5	66.5	66.5	70.2	72.1
85°	31.4	35.1	35.1	31.4	29.6
87.5°	14.8	14.8	12.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)